



# Air Force Research Laboratory|AFRL

*Science and Technology for Tomorrow's Air and Space Force*

## Success Story

### AFRL TECHNOLOGY ENHANCES LOGISTICS SITUATION AWARENESS



The Human Effectiveness Directorate's Deployment and Sustainment Division recently conducted a field evaluation of Logistics Control and Information Support (LOCIS) Spiral 1 and Spiral 2 technologies with the 16<sup>th</sup> Special Operations Wing at Hurlburt Field, Florida. This evaluation demonstrated dramatically increased situation awareness of mission resources through advanced visualization techniques, data fusion, customizable user interfaces, and threshold monitoring and reporting.



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## **Accomplishment**

The directorate's LOCIS research team conducted three preliminary field evaluations and a final evaluation, analyzed the data, and reported their findings. Personnel at Hurlburt Field widely accepted the LOCIS capabilities and used them daily to support deployment and sustainment of Operation ENDURING FREEDOM.

The LOCIS informational views provide a quick look of wing capability to senior decision makers and are used in lieu of briefing charts for maintenance stand-up meetings. This saves time searching for and assembling data into stand-up reports.

## **Background**

LOCIS is a 4-year proof-of-concept. The directorate's Logistics Readiness Branch developed the program, and the Agile Combat Support Division of the Air Force Command and Control Intelligence, Surveillance, and Reconnaissance Center at Langley Air Force Base, Virginia officially sponsored the program.

LOCIS focuses on wing-level command and control for logistics. The program is researching and developing information technologies that will enhance the ability of the logistics community to effectively manage mission resources and assimilate logistics information for decision making in an Expeditionary Air Force/Agile Combat Support Command and Control environment.

The LOCIS effort consists of three yearly spirals, culminating in annual demonstrations where the team collects user feedback for the next spiral. The LOCIS field evaluation provided valuable warfighter feedback for improving LOCIS tools and created strong program advocates that are leading technology transition activities.

Human Effectiveness  
Support to the Warfighter

## **Additional information**

To receive more information about this or other activities in the Air Force Research Laboratory, contact TECH CONNECT, AFRL/XPTC, (800) 203-6451 and you will be directed to the appropriate laboratory expert. (03-HE-01)